BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2019-20/OW/WORK_INDENT38319

APPROVED SCHEDULE - B

E/BTP/BBMP/E-PMT/16/2019-20, Date: 10.10.2019

DRILLING OF BOREWELL PROVIDING PIPELINE IN WARD NO 8 KODIGEHALLI

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of Vinod Kumar S ( ) In Figures	In Words
1	2	Carrying out geophysical survey Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc.,(Page.no.47, item no.9.4) PRED SR 2012-13.	No	1686.46	3372.92	Rupees One Thousand Six Hundred Eighty Six and Forty Six Paise Only
2	100	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG na above 900 CFM and abaove in all strats including over burden upto 20M. fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)(P-46,I.NO.9.1 TO 9.1.6)PRED SR 2012-13 a. Upto 50.00m depth	Rmtr	274.21	27421.00	Rupees Two Hundred Seventy Four and Twenty One Paise Only
3	100	b. Above 50.00 to 100.00m depth	Rmtr	358.44	35844.00	Rupees Three Hundred Fifty Eight and Forty Four Paise Only
4	100	c. Above 100.00 to 150.00m depth	Rmtr	398.76	39876.00	Rupees Three Hundred Ninety Eight and Seventy Six Paise Only
5	100	d. Above 150m to 200m depth	Rmtr	421.17	42117.00	Rupees Four Hundred Twenty One and Seventeen Paise Only
6	100	e. Above 200m to 250 m depth	Rmtr	487.48	48748.00	Rupees Four Hundred Eighty Seven and Forty Eight Paise Only
7	100	f. Above 250m to 300 m depth	Rmtr	522.43	52243.00	Rupees Five Hundred Twenty Two and Forty Three Paise Only
8	50	f. Above 300m to 350 m depth	Rmtr	557.37	27868.50	Rupees Five Hundred Fifty Seven and Thirty Seven Paise Only
9	108	Supplying of ISI Mark 175 mm nominal bore, Plain end steel casing pipe - grade of steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electic resistance continuous welded midle steel tube material confirming to IS 1387 / 1993 and manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket and the other and with a plastic protection end (including of all taxes) (Page no.III, Item No.84)PRED SR 2012-13	Rmtr	1152.75	124497.00	Rupees One Thousand One Hundred Fifty Two and Seventy Five Paise Only

Signature of the contractor

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Executive Engineer

	proved Qty.	Description	Unit	Approved Tender Rates of Vinod Kumar S ( ) In Figures		In Words
10	18	Providing and fixing 250mm dia PVC (casing pipe) (Page no.XXXI,Sl. no.909) KPWD SR 2015-16	Nos	1913.57	34444.26	Rupees One Thousand Nine Hundred Thirteen and Fifty Seven Paise Only
11	20	Providing 175mm dia MS Collar (Page no.III, Item no.86) PRED SR 2012-13	Nos	130.5	2610.00	Rupees One Hundred Thirty and Fifty Paise Only
12	2	Providing 175mm dia Bore Cap CE (M) (Page no.III, Item no.85) PRED SR 2012-13	Nos	87.0	174.00	Rupees Eighty Seven Only
13	2	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings. PAGE NO XXXXII	Unit	62749.62	125499.24	Rupees Sixty Two Thousand Seven Hundred Forty Nine and Sixty Two Paise Only
14	600	KSRB13-3.1: Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page 90 ITEM NO 13.6)	Rm	472.17	283302.00	Rupees Four Hundred Seventy Two and Seventeen Paise Only
15	1160	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts as per 1x3x4 sqmm of 56 strands 0.3mm dia Group A (Page no.12, item no.2.10.3) PWD Elctricla SR 2014-15 3Cx4.0Sqmm.	Rm	164.17	190437.20	Rupees One Hundred Sixty Four and Seventeen Paise Only
16	100	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes inculding transportion each length pno 558 ino 3 bwssb sr 14-15	Rm	76.56	7656.00	Rupees Seventy Six and Fifty Six Paise Only
17	2	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts (P.No.44 SL.No.6.6.6) Electrical SR 2014-15	Nos	262.74	525.48	Rupees Two Hundred Sixty Two and Seventy Four Paise Only
18	70	Supplying of 1.1 KV LTUG Cable having alluminium conductor PVC insulated extruded inner sheathed , galvanized, steel strip (except 2C X 10sq.mm wire armoured) confirming to IS-3975:1990(No.of Strip indicated in GTP) & extruded PVC outer sheathed armored cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm (Page no.55, Sl.no.7.4.4) Electrical SR2014-15	Rm	122.15	8550.50	Rupees One Hundred Twenty Two and Fifteen Paise Only
19	70	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/on wall/on poles as required. In existing trench/duct. 6 sqmm to 16sqmm (Page no.61, Sl.no.7.8.1) Electrical SR2014-15	Nos	9.4	658.00	Rupees Nine and Forty Paise Only
20	60	Digging of trenches of 0.6 x 0.50m wide refilling the trench to the required ground level and consolidating etc., compelte (Page no.61, Sl.no.7.9.2) Hard soil Electrical SR 2014-15	Rm	101.79	6107.40	Rupees One Hundred One and Seventy Nine Paise Only
21	6	Supplying and fixing class A (medium duty)-GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V. class 40mm (P.No.62, Sl.No.7.12.1) Electrical SR2014-15	Mtr	300.15	1800.90	Rupees Three Hundred and Fifteen Paise Only
22	2	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound compelte with terminals, clamps, bolts nuts and washers etc., for 16 sqmm (Page no.62, Sl.No.7.13.2) Electrical SR 2014-15	Nos	243.6	487.20	Rupees Two Hundred Forty Three and Sixty Paise Only

Signature of the contractor

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Executive Engineer

	proved Qty.	Description	Unit	Approved Tender Rates of Vinod Kumar S ( ) In Figures		In Words
23	2	Supplying and fixing wiring earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (page no.55, Sl.no.7.1) Electrical SR2014-15	Nos	2372.49	4744.98	Rupees Two Thousand Three Hundred Seventy Two and Forty Nine Paise Only
24	6	Supplying and fixing of procelin fuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers. 63Amps (Page no.44,Slno.6.7.3) Electrical SR 2014-15	Each	313.2	1879.20	Rupees Three Hundred Thirteen and Twenty Paise Only
25	12	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 7.14.2 KPWD Electrical SR 2014-15	Each	74.82	897.84	Rupees Seventy Four and Eighty Two Paise Only
26	2	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-63Amps TPN (Page no.47 Sl.No.6.16.6) Electrical SR2014-15	Each	1345.89	2691.78	Rupees One Thousand Three Hundred Forty Five and Eighty Nine Paise Only
27	75300	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrengements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.(Page no.49, Item no.6.40.1) PWD Electrical SR 2014-15	Sq cm	0.29	21837.00	and Twenty Nine Paise Only
28	2	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(Page no.93, Item no.13.62) KPWD SR 2015-16	Nos	1226.53	2453.06	Rupees One Thousand Two Hundred Twenty Six and Fifty Three Paise Only
29	4	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No.92/ I. No. 13.81.3 PWD SR	Each	193.66	774.64	Rupees One Hundred Ninety Three and Sixty Six Paise Only
30	6	Gate value 50 mm nominal bore gun metal P. No.xxiii sl No. 673 PWD SR	Each	1216.53	7299.18	Rupees One Thousand Two Hundred Sixteen and Fifty Three Paise Only
31	2	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	No	8700.0	17400.00	Rupees Eight Thousand Seven Hundred Only
32	40.5	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.(P.No.5, I.No.2.1) PWD SR 2016-17	Cum	229.63	9300.02	Rupees Two Hundred Twenty Nine and Sixty Three Paise Only

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	roved Qty.	Description	Unit	Approved Tender Rates of Vinod Kumar S ( )		
				In Figures		In Words
33	8.1	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304. (P.No.217, I.No.27.17) PWD SR 2016-17	Cum	1899.73	15387.81	Rupees One Thousand Eight Hundred Ninety Nine and Seventy Three Paise Only
34	90	KSRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 (Page no.94, Item No.13.73.1) PWD SR 2016-17	Rm	216.72	19504.80	Rupees Two Hundred Sixteen and Seventy Two Paise Only
35	32.4	KSRB : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.(Page No.6,Item No. 2.11) KPWD SR-2015-16	Cum	70.09	2270.92	Rupees Seventy and Nine Paise Only
36	8.1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	1741.11	14102.99	Rupees One Thousand Seven Hundred Forty One and Eleven Paise Only
37	54	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3	Sqm	19.37	1045.98	Rupees Nineteen and Thirty Seven Paise Only
38	54	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502	Sqm	40.58	2191.32	Rupees Forty and Fifty Eight Paise Only
39	2.7	KSRRB M500-18: Providing and laying bituminous macaduam on prepared surface using crushed aggregates as per design mix formula for base/binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hotl mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. Using 40-60 TPH capacity HMP with mechanical paver grading II (50-75mm) with 3.4% VG-30 bitumen.	Cum	5369.97	14498.92	Rupees Five Thousand Three Hundred Sixty Nine and Ninety Seven Paise Only
40	2.16	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. using 40-60 TPH capacity HMP with mechanical paver grading I (35-40mm) with 4.5% VG-30 Bitumen	Cum	6714.54	14503.41	Rupees Six Thousand Seven Hundred Fourteen and Fifty Four Paise Only

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